

Partner: Planar
Model: MX3 Controller
Device Type: Display Controller



GENERAL INFORMATION

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| SIMPLWINDOWS NAME: | Planar MX3 Controller v1.0 IP |
| CATEGORY: | TV/Video Projector |
| VERSION: | 1.0 |
| SUMMARY: | This module controls IP communication with the Planar MX3 Controller. |
| GENERAL NOTES: | |
| CRESTRON HARDWARE REQUIRED: | Crestron 2-Series* or 3-Series processor. <i>*this module is set up to work with a 2-Series processor but has not been tested with one as of this writing.</i> |
| SETUP OF CRESTRON HARDWARE: | TCP/IP: Port: 57 |
| VENDOR FIRMWARE: | N/A |
| VENDOR SETUP: | N/A |

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PARAMETER:

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| Backlight_Step_Size | Setting to indicate the single step amount to increment/decrement the backlight. |
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CONTROL:

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| Reinitialize | D | Pulse to re-establish communication with the device. |
| Power_On | D | Pulse to turn on the device. |
| Power_Off | D | Pulse to turn off the device. |
| Power_Toggle | D | Pulse to toggle the power status of the device. |
| Backlight_Up | D | Pulse to raise the backlight of the device by the step size defined in the Backlight_Step_Size parameter. Hold to raise the backlight of the device in increments by the step size defined in the Backlight_Step_Size parameter until released. |
| Backlight_Down | D | Pulse to lower the backlight of the device by the step size defined in the Backlight_Step_Size parameter. Hold to lower the backlight of the device in increments by the step size defined in the Backlight_Step_Size parameter until released. |
| Backlight_Set | A | Set the backlight level of the device directly. |
| Big_Picture_VC_Up | D | Pulse to increment the value of the current Big Picture VC unit to control. |
| Big_Picture_VC_Down | D | Pulse to decrement the value of the current Big Picture VC unit to control. |
| Big_Picture_VC_Set | A | Set the value of the current Big Picture VC unit directly. |
| Big_Picture_Input_[1-4] | D | Pulse to set the corresponding input on the currently selected Big Picture VC unit. |
| Preset_Recall_[1-10] | D | Pulse to recall a specific preset. If the preset exists, it will be recalled. |
| Test_Pattern_[X] | D | Pulse to set the current test pattern. |
| Poll_Enable | D | Latch high to enable polling the device for the status of all relevant attributes. Unlatch to turn off polling. |
| {{TCP/IP_Client_>>_Connect-F}} | D | Digital signal to be routed from the TCP/IP client symbols Connect-F signal. |
| {{TCP/IP_Client_>>_status}} | A | Analog signal to be routed from the TCP/IP client symbols status signal. |
| {{TCP/IP_Client_>>_RX\$}} | S | Serial signal to be routed from the TCP/IP client symbols RX\$ signal. |

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FEEDBACK:

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| Is_Communicating | D | High to indicate that communication has been established with the device. Once communication has been established, the module will attempt to initialize automatically. |
| Is_Initialized | D | High to indicate that the module's internal state variables are now synced with the device's current state. |
| Power_Is_On | D | High to indicate the device is currently on. |
| Backlight_Level | A | Value indicating the current backlight level of the device. |
| Big_Picture_VC_Current | A | Value indicating the currently set Big Picture VC unit. |
| Preset_Name_[1-10] | S | Value indicating the name of the corresponding preset, if it exists. |
| Preset_Count | A | Value indicating the number of presets available on the device. |
| Test_Pattern_Is_[X] | D | Value indicating the currently active test pattern. |
| Alert_Count | A | Value indicating the number of alerts currently active on the device. |
| Polling_Is_Enabled | D | High to indicate the module is currently set to poll for device status. |
| Connect-F | D | High to indicate the TCP/IP client is connected. This signal is effectively a mirror of the Connect-F signal on the TCP/IP client. It is recommended that this signal be commented out in your program. |
| status | A | Value indicating the TCP/IP client connection status. This signal is effectively a mirror of the status signal on the TCP/IP client. It is recommended that this signal be commented out in your program. |
| {{Connect_>>_TCP/IP_Client}} | D | High to indicate the module is ready to connect to the device. This signal should be routed to the TCP/IP Client symbols Connect signal. |
| {{TX\$_>>_TCP/IP_Client}} | S | Serial signal to be routed to the TCP/IP client symbols TX\$ signal. |

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**TESTING:**

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| OPS USED FOR TESTING: | RMC3: 1.011.0023 |
| SIMPL WINDOWS USED FOR TESTING: | 4.03.14.01 |
| CRES DB USED FOR TESTING: | 52.05.013.00 |
| DEVICE DATABASE: | 67.00.001.00 |
| SYMBOL LIBRARY USED FOR TESTING: | 956 |
| SAMPLE PROGRAM: | Planar MX3 Controller Demo IP RMC3 |
| REVISION HISTORY: | v1.0 – Initial Release |